

TRAILER SLIDER LOCKING PIN INTERLOCK WITH PARKING BRAKE

ABSTRACT OF THE DISCLOSURE

A slider locking pin control receives feedback of the actual position of the locking pins. If the locking pins are not engaged in the trailer frame rails, then the interlock valve will vent air to release a parking brake. Once the locking pins are engaged, the interlock valve will allow the flow of air to release the parking brakes. If the vehicle operator attempts to move the vehicle, but the locking pins are not engaged, the operator will be unable to release the parking brakes. This will prevent movement of the trailer until the locking pins are engaged. The interlock valve is placed downstream of a spring brake control valve and pressurized air reservoir, such that the pressurized air reservoir can still receive pressurized air to charge, and provide air for use by various components on the trailer.

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